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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2018-01-01-11** **Date: 06-01-18**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at Ganapathi Badavane 1st main roads & Other cross roads in ward No.14 Bagalagunte.
Agency	:	Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/87/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-01-18
Sample ID No	:	2018-01-01-11 /05
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	02/01/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.316	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.322	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.318	4476	81.5	18.2	16.9	21.2

Note:

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Quality Manager

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ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
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Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2018-01-01-11** **Date: 03-01-18**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at Ganapathi Badavane 1st main roads & Other cross roads in ward No.14 Bagalagunte.
Agency	:	Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/87/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-01-18
Sample ID No	:	2018-01-01-11 /04
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	02-01-18

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.395	532	649	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	549	688	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.885	573	692	20.0%	Satisfactory	Satisfactory

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Certificate No : TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-24-09 **Date: 27/01/2018**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at Ganapathi Badavane 1st main roads & Other cross roads in ward No.14 Bagalagunte.

Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/87/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-01-18

Sample ID No : 2018-01-24-09 /01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	20/01/2018	27/01/2018	150.20 X 150.22 X 150.20	22563	8.330	397.1	17.6	17.8
2	Drain Concrete	M20	20/01/2018	27/01/2018	150.15 X 150.15 X 150.13	22545	8.214	408.1	18.1	
3	Drain Concrete	M20	20/01/2018	27/01/2018	150.20 X 150.24 X 150.28	22566	8.420	401.7	17.8	

Note:

The results pertain to the samples received and tested

All information furnished by Customer/Representative

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Certificate No : TC- 5568

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/02/2018

Lab ID	:	CP-2018-01-24-09
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at Ganapathi Badavane 1st main roads & Other cross roads in ward No.14 Bagalagunte.
Agency	:	Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/87/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-01-18
Sample ID No	:	2018-01-24-09 /02
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	20/01/2018	17/02/2018	149.22 X 150.44 X 150.47	22449	8.147	496.1	22.1	21.6
2	Drain Concrete	M20	20/01/2018	17/02/2018	149.22 X 150.33 X 150.98	22432	8.165	489.0	21.8	
3	Drain Concrete	M20	20/01/2018	17/02/2018	150.22 X 150.33 X 150.78	22583	8.172	472.0	20.9	

Note:

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TEST REPORT ON BITUMEN

Lab ID	:	**CP-2018-01-18-03** **Date: 20-01-18**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at Ganapathi Badavane 1st main roads & Other cross roads in ward No.14 Bagalagunte.
Agency	:	Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/87/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-01-18
Sample ID No	:	2018-01-18-03/01
Sample Type	:	Bitumen
Reference to BIS codes	:	IS: 1201-1220(1978) (Reaffirmed-2004)
Date of test	:	19-01-18

Test Results

Sl.no	Name of Test	Result	Requirements as per IS:73-2013
1	Penetration at 25°C , in 1/10th mm	**62**	60 to 70
2	Softening Point, °C	**48.2**	Min. 40°C
3	Ductility, cm	**100**	Min. 75cm
4	Flash point, °C	**232**	Min. 220°C
	Fire point, °C	**251**	

Note:
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TEST RESULTS OF GRADATION FOR WMM

Lab ID : **CP-RW-2018-01-16-14**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore. **Date: 18-01-18**

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at Ganapathi Badavane 1st main roads & Other cross roads in ward No.14 Bagalagunte.

Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer Reference : BBMP/EE/DD/WO/87/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-01-18

Sample ID No : 2018-01-16-14/01

Type of Mix : WMM (Wet Mix Macadam)

Date of test : 16-01-18

Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	245	245	2.2	97.8	95-100
22.4	2488	2733	24.8	75.2	60-80
11.2	2451	5184	47.1	52.9	40-60
4.75	2345	7529	68.4	31.6	25-40
2.36	1398	8927	81.2	18.8	15-30
0.6	802	9729	88.4	11.6	8-22
0.075	1057	10786	98.1	1.9	0-5

Note:-

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